

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,486	01/16/2002	Jeremy E. Dahl	005950-767	3564
75	590 04/25/2003			
Gerald F. Swiss BURNS, DOANE, SWECKER & MATHIS, L.L.P. P.O. Box 1404 Alexandria, VA 22313-1404			EXAMINER	
			HAMPTON HIGHTOWER, PATRICIA	
			ART UNIT	PAPER NUMBER
			1711	

Please find below and/or attached an Office communication concerning this application or proceeding.

DATE MAILED: 04/25/2003

PTO-90C (Rev. 07-01)

Г 		Application No.	Applican	it(s)				
		10/046,486	DAHL ET	AL.				
	Office Action Summary	Examiner	Art Unit					
		Patricia Hightower	1711					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address								
Period for Reply								
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. Isions of time may be available under the provisions of 37 CFR 1.1: SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period vero reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, y within the statutory minimur vill apply and will expire SIX (, cause the application to be	may a reply be timely filed n of thirty (30) days will be consi 6) MONTHS from the mailing da ome ABANDONED (35 U.S.C.	idered timely. ate of this communication. § 133).				
1)[Responsive to communication(s) filed on 16.	January 2002 .						
2a) <u></u>	This action is FINAL . 2b) Th	is action is non-final						
3)□ Dispositi	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠	Claim(s) 1-85 is/are pending in the application	1.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
	Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.								
8) Claim(s) 1-85 are subject to restriction and/or election requirement.								
Application Papers								
9) 🔲 -	The specification is objected to by the Examine	r.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.								
If approved, corrected drawings are required in reply to this Office action.								
12)☐ The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. §§ 119 and 120								
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents	s have been receive	d in Application No	<u> </u>				
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).								
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.								
Attachment								
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 No	erview Summary (PTO-413) ice of Informal Patent Applic er:					
J.S. Patent and Tr PTO-326 (Rev		tion Summary		Part of Paper No. 5				

Application/Control Number: 10/046,486

Art Unit: 1711

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-28 and 29-64, drawn to a higher diamondoid and higher diamondoid intermediate, classified in class 585, subclass 16+.
- II. Claims 65-69 and 70-85, drawn to a method of obtaining a polymer by subjecting a higher diamondoid derivative to polymerization conditions forming a polymerization reaction product containing a higher diamondoid containing polymer and isolating said polymer from the polymerization product and a higher diamondoid polymer, classified in class 528, subclass 170+.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as an antioxidant and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions

Page 3

Application/Control Number: 10/046,486

Art Unit: 1711

anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

This application contains claims directed to the following patentably distinct species of the claimed invention: 1) the polymerizable moieties selected from alkenyl, alkynyl, OH, C2H3O, SH, NH2, CO2H, C6H5, C6H4NH2, C6H4CO2H or C6H4OH, 2) higher diamondoid derivative is tetramantane, pentamantane, hexamantane, heptamanatane, octamantane, nonamantane, decamantane, undecamantane, heptamanatane, octamantane, nonamantane, decamantane, undecamantane, 3) intermediate moieties are selected from H, F, Cl, Br, I, OH, SH, NH2, NHCOCH3, NHCHO, CO2H, CO2R', COCI, CHO, CH2OH, = O, NO2, -CH=CH2, -C= CH and C6H5;

4) the higher diamondoid intermediate is tetramantane, pentamantane, hexamantane, heptamantane, pentamantane, octamantane, nonamantane, decamantane and undecamantane.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, Claims 1-5, 7, 16-19, 29-33, 65-85 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim

Application/Control Number: 10/046,486

Art Unit: 1711

is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Art Unit: 1711

Note: Due to the complex restriction requirement and election of species; a telephonic election was not attempted.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Hightower whose telephone number is (703) 308-2434. The examiner can normally be reached on Monday - Friday from 9:30 A.M. -6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (703) 308-2462. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

P. Hightower:dh April 24, 2003

J. Danston Delitourer